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RETAP HELPS WOODARD-CM SAVE NEARLY \$60,000 ANNUALLY

Woodard -CM, LLC has been an industry leader in the furniture industry for many years, making wrought iron products at their Owosso facility since the 1930's. With a long history of evaluating their operations for cost savings, Woodard-CM requested a Retired Engineer Technical Assistance Program (RETAP) assessment to help identify further waste reduction and energy efficiency opportunities at their 300,000 square foot facility.



RETAP completed the onsite assessment in August 2005 making 27 recommendations specific to their manufacturing operations and building systems. Despite tight financial resources, Woodard-CM has been able to act on most of RETAP's recommendations in the past 36 months. Most significantly, Woodard implemented changes to their water treatment system reducing their annual waste disposal by 600 pounds while saving \$3,000/year. They additionally reduced their annual electricity usage by over 345,000 kWh (or \$16,000/year) and reduced their natural gas usage by nearly 37,000 ccf (or \$30,000/year).

Overall, Woodard-CM has implemented 22 RETAP recommendations, with total annual waste, water, energy, and cost reductions of over \$58,950 dollars. Woodard-CM was quite pleased with the RETAP assessment, stating "Any business interested in reducing their costs should contact RETAP."

The RETAP provides onsite pollution prevention assessments to businesses with 500 or fewer employees in Michigan. RETAP assessments are free, confidential, and non-regulatory. For additional information or to request a RETAP assessment, contact **David Herb**, ESSD, at **517-241-8176** or herbd@michigan.gov.

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REMINDER TO GENERATORS OF HAZARDOUS WASTE

Please review your generator status currently recorded with the DEQ, Waste and Hazardous Materials Division (WHMD), to verify that it accurately reflects waste activity for calendar year 2008. The annual handler user charge is assessed for hazardous waste activities during the previous calendar year (January 1 through December 31). Invoices will be mailed by the WHMD during February 2009. The assessed fee is based on the information last provided by the site, the amount of waste listed on the previous fiscal year (October 1 through September 30) manifests for the site, and permit and monthly operating reports for treatment, storage, and disposal facilities (TSDFs). The invoice will reflect the highest level of waste (site) activity in any one month during the calendar year. For example, a handler (site) who generates at the large quantity generator (LQG) volume in one month (e.g., July) and then generates at the small quantity generator volume for the other remaining months would be assessed the LQG user charge of \$400.00 for that year. You may review on-line at www.deq.state.mi.us/wdspi; type in your site identification number (MI number) and look under Current Site Activities. Facilities that find differences in site records compared to the DEQ, WHMD, records, please submit a DEQ5150 form (available at www.michigan.gov/deq/0,1607,7-135-3312_4118_4240-9198--,00.html) for processing of the change(s).

Additional information about the user charges is available on the Internet at www.michigan.gov/deq/0,1607,7-135-3112_4118_4240-47207--,00.html or go to www.michigan.gov/deq and select "Waste," "Hazardous and Liquid Industrial Waste," "Hazardous and Liquid Industrial Waste Management," and look under the information heading for "Hazardous Waste User Charges and Invoice Packets."

For questions about other waste requirements, contact your DEQ district office, the **Environmental Assistance Center** at 800-662-9278 or e-mail your question to deq-ead-env-assist@michigan.gov. Additional waste information is also available at www.michigan.gov/deqwaste.

FREE ENVIROFLASH NOTIFICATIONS

Take advantage of FREE e-mail/text notifications provided via the Michigan EnviroFlash program when: 1) the Air Quality Index (AQI) is expected to reach unhealthy levels; and 2) UV/Radiation levels are predicted to be high. This is important to know so you can take precautions to protect health when poor air conditions are anticipated. Enroll today - it's quick and easy! Click on the "EnviroFlash" logo at www.michigan.gov/deq for details. Air quality forecasts, real-time data, pollutant maps, tips, and more are available by selecting the "MIair" icon.

DOES YOUR SCHOOL DISTRICT HAVE AN IDLING POLICY?

Idling vehicles waste valuable resources and create unhealthy conditions in and around school buildings. Drivers can demonstrate fiscal responsibility just by turning the key. Idling at schools is not only a school bus issue; delivery trucks and passenger vehicles also add to the problem. Promote savings and cleaner air by advocating for a "no idle" zone schools in your community.



Good information on idle reduction programs and policies is available on the Internet. Visit the DEQ Mobile Source webpage at www.michigan.gov/deqair or the Clean School Bus USA website at <http://epa.gov/cleanschoolbus/>.

REQUEST FOR PROPOSAL ISSUED ON THE POLLUTION PREVENTION TECHNICAL ASSISTANCE NEEDS OF MICHIGAN SMALL AGRICULTURAL BUSINESSES

The Environmental Science and Services Division (ESSD) is seeking proposals for conducting a study on the pollution prevention (P2) technical assistance needs of small agricultural businesses in Michigan, and the potential to address these needs within the legal mandate and established goals of the Retired Engineer Technical Assistance Program (RETAP). A maximum of \$10,000 will be made available to the winning Bid to complete an in-depth analysis on the need, benefit, cost, and potential structure for addressing significant unmet P2 technical assistant needs within Michigan's small agricultural business community, in a meaningful, measurable, and cost effective means under the RETAP.

Agricultural P2 is defined as source reduction, reuse or environmentally sound recycling, and other prevention activities including nonpoint source approaches. The P2 aims to eliminate and/or reduce the generation of pollutants at their source when practicable, environmentally acceptable, and economically feasible. RETAP provides on-site P2 technical assistance to businesses and industry in Michigan, and RETAP services are strictly non-regulatory, confidential, voluntary, and provided free of charge.

Any individual or organization based in Michigan (other than federal or state agencies) with documented training and experience in agricultural P2 technical assistance may submit a proposal. Applicants interested in submitting a proposal should contact **David Herb**, ESSD, at **517-241-8176** or herbd@michigan.gov to obtain a copy of the Request for Proposal. The deadline for submitting a proposal is November 10, 2008.

HYDRILLA HUNTERS TO SEARCH FOR A MOST UNWANTED SPECIES

EAST LANSING, Mich. -- Michigan Sea Grant is looking for volunteers to check the state's Great Lakes bays, inland lakes and other waterways for the invasive aquatic plant Hydrilla verticillata this summer and fall. Thus far, no confirmed sightings have been reported in Michigan, but resource managers don't want to take any chances. Michigan Sea Grant continues to lead what it

calls the "Hydrilla Hunt" to help prevent the species from gaining a foothold in this state's waterways by spotting any infestations as early as possible.

Jo Latimore, Michigan State University Extension's inland lake specialist, says hydrilla is very difficult and expensive to eradicate. "We have very limited effective options for controlling this invader, so it's important to keep it out of the state if we possibly can and control it quickly -- before it spreads -- if it does appear." One key reason to take a preventive approach is that hydrilla can reproduce rapidly in at least four ways -- by stem fragments, flowers, a bud-shaped growth called a turion and underground tubers that can overwinter.

"Because it can spread so easily when fragments attach to recreational equipment, Michigan residents and visitors can help prevent the spread by following good preventive practices when moving watercraft or other water recreation gear from one body of water to another," says Carol Swinehart, Michigan Sea Grant spokesperson.

"If someone thinks they've found it, we ask that they compare the plant with the image on our Web site or the Hydrilla Hunt card. The card provides instructions on how to collect a plant sample, how to distinguish hydrilla from the native aquatic plant elodea, and where to send a sample for identification. If it has all the characteristics described there, send us a sample so that we can make sure," Swinehart says.

Hydrilla Hunt cards and other information about the species are available online at www.miseagrant.umich.edu/ais/hydrilla.html. The cards also request basic contact and location information. Swinehart requests people to report where they're searching by sending an e-mail to cys@msu.edu. Please include "Hydrilla Hunt" in the subject line and the name of the lake, pond or river and the county in the text of the message. She suggests the following searching strategies:

- Conduct the search early in the morning on a calm, sunny day.
- Start with the public boating access, if available.
- Go slowly around the shoreline and wear polarized sunglasses to reduce glare.
- Look in water up to 20 feet deep.
- Pay special attention to any unusual plant growth.
- Check the lake's outlet and any flow-restricting structures such as dams and spillways.
- Check for plants near stream inlets and in shallow bays.

It is illegal to take hydrilla across state lines, and Michigan law prohibits possessing it, except to send it for identification. In 2006, hydrilla was confirmed in an Indiana public-access lake less than an hour's drive from Michigan. In 2007, it was found in a northern Wisconsin private pond. Both states took immediate steps to eradicate the plant, and those measures seem to be succeeding.

Hydrilla forms large, dense mats on the water's surface, creating havoc with the ecosystem and interfering with recreation. It has clogged waterways in many southern states and has been found as far north as Maine, Massachusetts and Washington state. Michigan Sea Grant is a collaborative program of Michigan State University and the University of Michigan, conducting Great Lakes research, education and outreach. It is one of more than 30 Sea Grant programs supported by the National Sea Grant College Program of the National Oceanic and Atmospheric Administration (NOAA). To learn more, visit www.miseagrant.umich.edu.

For more information about hydrilla and other invasive species, see:
www.miseagrant.umich.edu/ais and www.protectyourwaters.net.

COMPLIANCE ASSISTANCE CORNER

Q: Does the DEQ internet have the soil and groundwater generic comparison criteria risk based screening levels (RBSL) for general sites of contamination (Part 201) and leaking underground storage tanks (Part 213)?

A: Yes, the RBSL's are located in the Remediation and Redevelopment Division (RRD), Operational Memorandum (Op Memo) page for Parts 201 and 213 programs (visit www.michigan.gov/deq/0,1607,7-135-3311_4109_9846_30022-101581--,00.html.) The screening

levels are found in Op Memo RRD-1, attachment 1, tables 1 - groundwater, 2 and 3 for soils. The screening levels are based upon the use of the facility; residential, commercial or industrial. The screening level for residential property use is the most protective due to the occupant spending a longer period of time at the residence. The theory is that the longer a person stays at the contaminated facility location, the greater the potential exposure to the contamination. The commercial/industrial categories assume that individuals will only spend a typical work day at the facility and a larger amount of contamination can be left in the soil and groundwater.

Compliance assistance staff are experienced department personnel in ESSD that specialize in another environmental program division. Staff provide one-on-one and referral assistance on calls received by the Environmental Assistance Center. If you have any environmental question on which you need assistance, call 1-800-662-9278.

For more information, please contact the **Environmental Assistance Center** at 800-662-9278.

DETROIT HOSTING INTERNATIONAL CREATIVE CITIES SUMMIT

October 13-15

Detroit will host the second International Creative Cities Summit (CCS 2.0) on October 13-15. It's a next-generation look at how communities are integrating innovation, social entrepreneurship, arts & culture and business to make vibrant economies. Register by Sept. 12, 2008 for the special \$250 early bird special. The summit features an exciting line-up of speakers and activities including Dr. Richard Florida, the author of international best-seller *Rise of the Creative Class* and the just released *Who's Your City*.

**CREATIVE
CITIES
SUMMIT
2.0**

Information on the agenda (which includes an Oct. 12 "unconference") speakers, sponsors and news about CCS 2.0 as well as registration and hotel information are available on the website at www.creativecityessummit.com

Participants will include architects, designers, urban planners, civic leaders, entrepreneurs, artists, students, educators, community leaders and other creative professionals sharing their experiences, projects, successes and failures as they re-imagine and rethink cities.

CCS 2.0 is committed to hosting a green conference and \$10 of every conference registration will go toward carbon offsets. The host hotel for the conference is the Detroit Marriott at the Renaissance Center. The Sunday, Oct. 12 unconference theme is "Detroit 2.0" and will include Inside Detroit Experience walking and bus tours, Detroit After Dark, Taste of Michigan, and Detroit Music Showcase. An unconference is a facilitated, participant-driven, face-to-face conference around a theme or purpose.

The Michigan State Housing Development Authority's (MSHDA) Cool Cities Team is a key organizer for the event.

ITRC NO COST TRAINING COURSES

The Interstate Technology & Regulatory Council (ITRC) offers a wide variety of guidance documents and training courses on innovative environmental technologies and approaches specific to the areas of site characterization, monitoring and remediation as well as other environmental topics. ITRC is a state-led coalition working together with industry and stakeholders to achieve regulatory acceptance of environmental technologies. ITRC is a program of the Environmental Research Institute of the States (ERIS), a nonprofit corporation operating in support of the Environmental Council of the States (ECOS). Michigan is a member state.



Summarized below is the September/October 2008 schedule of upcoming no-cost Internet-based training courses provided by the ITRC. A complete list of course offerings can be found at www.itrcweb.org.

Upcoming Course Dates (registration opens 4-6 weeks in advance)

- **In Situ Bioremediation of Chlorinated Ethene - DNAPL Source Zones** {NEW}, September 9, 2:00 p.m. - 4:15 p.m. EASTERN TIME
 - **Enhanced Attenuation of Chlorinated Organics: A Site Management Tool**, September 11, 11:00 a.m. - 1:15 p.m. EASTERN TIME
 - **Risk Assessment and Risk Management: Determination and Application of Risk-Based Values**, September 16, 2:00 p.m. - 4:15 p.m. EASTERN TIME
 - **Survey of Munitions Response Technologies**, September 18, 11:00 a.m. - 1:00 p.m. EASTERN TIME
 - **Planning and Promoting Ecological Land Reuse of Remediated Sites**, September 23, 2:00 p.m. - 4:15 p.m. EASTERN TIME
 - **Evaluating, Optimizing, or Ending Post-Closure Care at Municipal Solid Waste Landfills**, September 25, 11:00 a.m. - 1:15 p.m. EASTERN TIME
 - **Perchlorate Remediation Technologies**, October 9, 11:00 a.m. - 1:15 p.m. EASTERN TIME
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- **Protocol for Use of Five Passive Samplers**, October 16, 11:00 a.m. - 1:15 p.m. EASTERN TIME

Note: All dates/times are subject to change - check www.itrcweb.org for the most up-to-date information.

Registration: <http://clu-in.org/studio/seminar.cfm> or www.itrcweb.org - select on "Internet-based Training". Course registration opens 4-6 weeks prior to each course offering.

Associated Guidance Documents: Available from www.itrcweb.org. You can download the ITRC guidance documents that are the basis for the training materials - click on "Guidance Documents".

Archived Training Events: Archives of previous ITRC Internet training events are available for your convenience. Seminars are available for download at:

<http://clu-in.org/live/archive.cfm?sort=title#itrc>. Courses are listed alphabetically (you may need to scroll down to find the class of interest).

For additional information, please contact Michigan's State Point of Contact (POC) **Joe Rogers** at: rogersj5@michigan.gov or (517) 373-9897.

EVENTS

October 15 & 16, 2008

MICHIGAN'S PREMIER PUBLIC HEALTH CONFERENCE - Healthy

Michigan 2010: Public Health Progress and Beyond, Radisson Plaza Hotel & Suites, Kalamazoo, Michigan. This annual conference will bring together a comprehensive representation of public health professionals and practitioners in order to identify strategies and provide direction on how best to improve the health of Michigan's citizens. Michigan Department of Environmental Quality is a partner on this event. Updated conference information is available at www.malph.org/page.cfm/130.

Information Contact: **Julie Zdybel**, Michigan Association for Local Public Health, 517-485-0660 or jzdybel@malph.org.



OCTOBER 18, 2008

METROPOLITAN DETROIT SCIENCE TEACHERS ASSOCIATION (MDSTA) FALL CONFERENCE, SOUTHFIELD, MICHIGAN.

The Michigan Department of Environmental Quality will host an exhibit and presentation at this conference to provide information on the Michigan Environmental Education Curriculum Support and other environmental education programs that are administered through the DEQ.

Registration Information: **Pamela Bentley**, MDSTA, 248-542-1781, or pbentley@prodigy.net.

Information Contact: **Thomas Occhipinti**, Executive Division, 517-373-2379, or occhipintit@michigan.gov.

General conference information is available on the Web at www.mdsta.org/conf.htm.

OCTOBER 2008 – November 2008**MEECS (MICHIGAN ENVIRONMENTAL EDUCATION CURRICULUM SUPPORT) TRAINING WORKSHOPS, CLARE, MICHIGAN.**

The Michigan Department of Environmental Quality is pleased to announce three training opportunities for Michigan's environmental education curriculum, known as the MEECS. MEECS is designed to provide students in grades four through nine with an opportunity to learn about their environment through five different curriculum units: Air Quality, Ecosystems & Biodiversity, Energy Resources, Land Use, and Water Quality. Educators have the option of attending a half day unit workshop to learn about MEECS and obtain materials; or a full day unit workshop to become eligible to facilitate MEECS teacher workshops. Please check for updates on the MEECS Web site at www.michigan.gov/deq-meecs, as more workshops continue to be scheduled.

Registration Fee, (includes lunch and materials): \$30.00 for the morning workshop; \$50.00 for the full day workshop.

Registration Information: **Pat Perry**, 989-774-4387, or perry1pj@cmich.edu.

Information Contact: **Thomas Occhipinti**, Environmental Education Coordinator, Executive Division, 517-373-2379, or occhipinti@michigan.gov.

<u>Date</u>	<u>Topic</u>	<u>Location</u>
10/18/08	Air	Neithercut Lodge, Clare
11/1/08	Ecosystems	Neithercut Lodge, Clare
11/15/08	Water	Neithercut Lodge, Clare

OCTOBER 22, 2008, 8:30 a.m.-12:00 p.m.

NOVEMBER 26, 2008, 8:30 a.m.-12:00 p.m.

DECEMBER 17, 2008, 8:30 a.m.-12:00 p.m.

MONTHLY AIR PERMIT APPLICATION WORKSHOP FOR FIRST-TIME APPLICANTS,

CONSTITUTION HALL, LANSING, MICHIGAN. For most first-time applicants, completing the Permit to Install application is a daunting task. However, submitting a complete and timely application can be more manageable if you know what's expected. The Michigan Department of Environmental Quality is offering this workshop designed to give information on how to submit a complete permit application. Since this workshop is geared to first-time applicants, a significant portion of the session is devoted to your specific application. Air Quality Division permit engineers will be available to discuss your permit application with you one-on-one. To take full advantage of this time with the permit engineer, it is recommended you bring detailed information about your project with you to the session. This training is designed for first-time air permit applicants who need help completing their permit application; however, those who have applied before and need a refresher are welcome to attend as well.

Online registration is available on the Web at www.michigan.gov/deqworkshops, click on "Upcoming DEQ Workshops".

Registration Fee: \$25, which includes parking in the Ellis Parking Lot on the east side of Constitution Hall and training manual.

Information Contact: **James Ostrowski**, Environmental Science and Services Division, 517-241-8057, or ostrowskij2@michigan.gov.

Registration Information: **Environmental Assistance Center**, 800-662-9278, or deq-ead-env-assist@michigan.gov.

OCTOBER 22-24, 2008**CERTIFIED HAZARDOUS MATERIALS MANAGERS OF MICHIGAN REVIEW COURSE, YAZAKI LEARNING CENTER, 6300 HAGGERTY ROAD, CANTON, MICHIGAN.**

This course is presented by the Certified Hazardous Materials Managers of Michigan for those preparing to sit for the CHMM exam. The Michigan Department of Environmental Quality will have a booth at this event. For further information and online registration, visit www.chmm-mi.org.

OCTOBER 23, 2008**GREEN PROCUREMENT WORKSHOP, MICHIGAN NATIONAL GUARD JOINT FORCES HEADQUARTERS, LANSING, MICHIGAN.**

The Michigan/U.S. Environmental Protection Agency/Department of Defense Environmental Alliance will present a workshop dedicated to "Green Procurement" training. The morning session is intended for engineering, contracting, environmental, and acquisition planning staff. The afternoon session is for engineering, environmental, and building staff. This training is being provided at no cost, and is open to all who are interested.

To register, send an Email to Tony Nesky at tony.nesky@us.army.mil or call 410-436-7248. For non-military attendees, please bring a valid ID.

For a copy of the agenda, go to www.michigan.gov/deqworkshops and select "Other Training Opportunities."

NOVEMBER 5, 2008**EAST MICHIGAN AND WEST MICHIGAN AIR & WASTE MANAGEMENT ASSOCIATION (AWMA) AND ENVIRONMENTAL LAW SECTION JOINT FALL CONFERENCE, KELLOGG HOTEL AND CONFERENCE CENTER, EAST LANSING, MICHIGAN.**

The East & West Michigan Chapters of the Air & Waste Management Association in conjunction with the State Bar of Michigan (Environmental Law Section) have teamed up to sponsor a Fall Conference. The conference will feature updates from Michigan Department of Environmental Quality Division Chiefs, speakers on emerging air issues in Michigan including NAAQS implementation in Michigan, New Source Review Rules and an update on the DEQ's Part 201 redesign efforts. The registration form and conference brochure will be distributed in late September.

NOVEMBER 6, 2008**AIR ZOO TEACHER OPEN HOUSE AND RESOURCE NIGHT, PORTAGE, MICHIGAN.**

The Michigan Department of Environmental Quality is hosting an exhibit at this event to provide environmental education resources for Michigan teachers and non-formal educators. The exhibit will feature information about DEQ environmental education programs including the Michigan Environmental Education Curriculum Support, the DEQ Internship Program, the Speakers Bureau, environmental education Web services, and place-based education.

Registration Information: Lorraine Austin, Air Zoo Education Marketing Coordinator, 269-382-6555 extension 144, or laustin@airzoo.org.

Information Contact: Thomas Occhipinti, Executive Division, 517-373-2379, or occhipintit@michigan.gov.

NOVEMBER 13, 2008

12th ANNUAL SUSTAINABLE BUSINESS CONFERENCE - ENERGIZING MICHIGAN'S GREEN FUTURE , FETZER CENTER - WESTERN MICHIGAN UNIVERSITY CAMPUS, KALAMAZOO, MICHIGAN. This year's host is the Southwest Michigan Sustainable Business Forum (SWMSBF). The focus is Energizing Michigan's Green Future; with speakers discussing renewable energy as well as energy efficiency, economy, policy, needs, and growth. Speakers include: Governor Jennifer Granholm (invited); Andrew Winston, author of "Green to Gold"; Jerome Ringo of Apollo Alliance; Tom Easterday of Subaru; and more!
For registration, sponsorship, and exhibitor information, visit www.swmsbf.org.

DECEMBER 2, 2008; 8:00 a.m.-12:00 p.m.

ALTERNATIVE ENERGY DEVELOPMENTS & APPLICATIONS, LANSING COMMUNITY COLLEGE CONFERENCE CENTER, LANSING, MICHIGAN. Please join the East and West MI Chapters of the Air & Waste Management Association, along with the Environmental Law Section of the State Bar of Michigan, as they bring you an energizing $\frac{1}{2}$ -day morning program on the latest developments and applications of Alternative Energy. Included topics are the latest in Biofuels, Wind Energy, and the compelling story of how a leading city in Michigan has incorporated alternative and renewable energy to meet the needs of its citizens. The morning sessions will be followed by a luncheon, during which the Michigan Department of Labor & Economic Growth will present how they are promoting alternative energy sources in Michigan. This event will be an excellent networking opportunity! Watch for the full conference brochure and registration details at www.emawma.org.

*If you are interested in participating in the development of any Environmental Science and Services Division event, please call **Mary Goodhall** at **517-241-7968** or email at goodhallm@michigan.gov.*
